



Subject: DHTU Fire
Date: 08/07/12
From: Paul Sherwood
To: Russ Gifford

On August 2, 2012, the Safety Department was notified of a fire at the Diesel Hydrotreater Unit (DHTU) at the Tulsa East refinery location. Safety Representatives were on site monitoring air quality around the perimeter of the East refinery. The wind was recorded at less than 1 mph from the West to the East.

Monitoring began at the west refinery at 0246. Monitoring was conducted continuously with an Altair 5x (SN: 35174) and an Ultra Rae 3000 (SN: 596-901557) while evaluating areas around the refinery. At no time while performing the perimeter monitoring did the Altair indicate the presence of carbon monoxide (CO), hydrogen sulfide (H₂S), sulfur dioxide (SO₂), or an explosive atmosphere (LEL). Oxygen (O₂) readings also remained normal throughout the evaluation period. At no time while performing the perimeter monitoring did the Ultra Rae 3000 detect the presence of volatile organic compounds (VOCs) or benzene. Monitoring data was collected continuously as driving around the perimeter in addition to the specific locations as noted below:

Altair 5x Readings:

Normal background readings are: 0 PPM CO, 0 PPM H₂S, 0 PPM SO₂, 0% LEL, and 20% O.

- West Refinery Dairy Queen – normal readings (0246)
- 21st Overpass – normal readings (0247)
- McDonalds – normal readings (0247)
- West 25th Street – normal readings (0248)
- Main gate Holly East – normal readings (250)
- West 25th Street – normal readings (0512)
- 23rd Street Bridge – normal readings (0517)
- Riverside Drive and E 31st Street – normal readings (0523)
- West 41st Street – normal readings (0536)
- West 36th Street – normal readings (0538)
- West 35th Street – normal readings (0545)
- Southwest Blvd. – normal readings (0546)

Ultra Rae 3000 Normal background readings are: (Total VOCs 0 PPM and Benzene 0 PPM):

- Main gate Holly East – No detectable levels (0250)
- Riverside Drive and E 31st Street – No detectable levels (0523)
- West 35th Place - No detectable levels (0545)

Based on our surveillance around the perimeter of the refinery, we did not detect any chemical levels during our monitoring which were released by the fire. Based on this monitoring, we did not identify any readings of CO, H₂S, LEL, Benzene, or Total VOCs present that would be harmful to the adjacent community residents.

If you have any questions, or I can provide additional information please contact the safety department at 918-594-6229.

Regards,

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